

TABLE OF CONTENTS

CHAPTER	TITLE	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENT	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	ix
	LIST OF FIGURES	x
	LIST OF SYMBOLS	xii
	LIST OF APPENDIX	xiv
1	INTRODUCTION	
	1.1 Introduction	1
	1.2 Background of the Study	1
	1.3 Problem Statements	3
	1.4 Objectives of Study	3
	1.5 Scopes of Study	3
	1.6 Significance of the Study	4
	1.7 Thesis Outline	5
2	LITERATURE REVIEW	
	2.1 Introduction	6
	2.2 Effects of Internal Heat Generation	6
	2.3 Boundary Layer in Mixed Convection Flow	9
	2.4 Viscoelastic Fluid	11

	2.5 Keller-box Method	13
3	MATHEMATICAL FORMULATION	
	3.1 Introduction	15
	3.2 Basic Equations	15
	3.2.1 Continuity Equation	18
	3.2.2 Momentum Equation	19
	3.2.3 Energy Equation	23
	3.3 Solution Procedure	25
	3.3.1 Continuity Equation	26
	3.3.2 Momentum Equation	27
	3.3.3 Energy Equation	29
4	RESULTS AND DISCUSSION	
	4.1 Introduction	32
	4.2 The Validation of the Results	32
	4.3 Results and Discussion	36
5	CONCLUSION	
	5.1 Introduction	46
	5.2 Summary of Research	46
	5.3 Suggestion for Future Research	48
	REFERENCES	49
	Appendix A	52

LIST OF TABLES

TABLE NO.	TITLE	PAGE
4.1	Comparison the values of $f''(0)$ and $\theta(0)$ for various values of λ when $Pr = 1$ and $K = 0$ (Newtonian fluid).	33
4.2	Comparison the values of $f''(0)$ and $\theta(0)$ for various values of λ when $Pr = 7$ and $K = 0$ (Newtonian fluid)	33

LIST OF FIGURES

FIGURE NO.	TITLE	PAGE
3.1	Physical model and coordinate system	16
4.1	Comparison of the local skin friction C_f with x for $K = 0.2$, $Pr = 1$ and various values of λ .	34
4.2	Comparison of the local heat transfer $\theta_w(x)$ with x for $K = 0.2$, $Pr = 1$ and various values of λ .	35
4.3	Comparison of the local skin friction C_f with x for $K = 1$, $Pr = 1$ and various values of λ .	35
4.4	Comparison of the local heat transfer $\theta_w(x)$ with x for $K = 1$, $Pr = 1$ and various values of λ .	36
4.5	Velocity profile f' for various values of λ at $K = 0.2$, $Pr = 1$ and $\gamma = 0.3$.	38
4.6	Temperature profile θ for various values of λ at $K = 0.2$, $Pr = 1$ and $\gamma = 0.3$.	39
4.7	Velocity profile f' for various values of λ at $K = 1$, $Pr = 1$ and $\gamma = 0.3$.	39
4.8	Temperature profile θ for various values of λ at $K = 1$, $Pr = 1$ and $\gamma = 0.3$.	40
4.9	Velocity profile f' for various values of K at $\lambda = 1$, $Pr = 1$ and $\gamma = 0.3$.	40
4.10	Temperature profile θ for various values of K at $\lambda = 1$, $Pr = 1$ and $\gamma = 0.3$.	41
4.11	Velocity profile f' for various values of Pr at $\lambda = 1$, $K = 0.2$ and $\gamma = 0.3$.	41

4.12	Temperature profile θ for various values of Pr at $\lambda = 1$, $K = 0.2$ and $\gamma = 0.3$.	42
4.13	Velocity profile f' for various values of Pr at $\lambda = 1$, $K = 1$ and $\gamma = 0.3$.	42
4.14	Temperature profile θ for various values of Pr at $\lambda = 1$, $K = 1$ and $\gamma = 0.3$.	43
4.15	Velocity profile f' for various values of γ at $\lambda = 1$, $Pr = 1$ and $K = 0.2$.	43
4.16	Temperature profile θ for various values of γ at $\lambda = 1$, $Pr = 1$ and $K = 0.2$.	44
4.17	Velocity profile f' for various values of γ at $\lambda = 1$, $Pr = 1$ and $K = 1$.	44
4.18	Temperature profile θ for various values of γ at $\lambda = 1$, $Pr = 1$ and $K = 1$.	45

LIST OF SYMBOLS

a	-	Radius of cylinder
C_f	-	Local skin friction coefficient
$f(\eta), F(x, y)$	-	Dimensionless stream functions
K	-	Viscoelastic parameter
g	-	Acceleration due to gravity
G_r	-	Grasshof number
Pr	-	Prandtl number
Re	-	Reynolds number
Q_0	-	Heat generation constant
Q_w	-	Heat transfer coefficient
T	-	Fluid temperature
T_w	-	Wall temperature
T_∞	-	Ambient temperature
\bar{u}, \bar{v}	-	Velocity components along \bar{x} , \bar{y} directions
u, v	-	Velocity components along x , y -axes
$\bar{u}_e(\bar{x})$	-	Velocity outside boundary layer
$u_e(x)$	-	Non-dimensional velocity outside boundary layer
U_0	-	Dimensional constant
U_∞	-	Free stream velocity
x	-	Coordinate in direction of surface motion
y	-	Coordinate in direction normal to surface motion

Greek Symbols

α	-	Thermal diffusivity of the fluid
β	-	Volumetric thermal expansion coefficient of the fluid
λ	-	Mixed convection parameter
η	-	Similarity variable
μ	-	Dynamic viscosity of the fluid
ν	-	Kinematic viscosity of the fluid
ρ	-	Fluid density
$\theta(x, y), \theta(\eta)$	-	Dimensionless temperatures
$\theta_w(x)$	-	Local wall temperature distribution
ψ	-	Stream function

Subscripts

w	-	Condition at the surface
∞	-	Condition at the ambient medium

Superscripts

$'$	-	Differentiation with respect to η
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LIST OF APPENDIX

APPENDIX	TITLE	PAGE
Appendix A	Fortran 77 Programming for Finding the Solutions of Mixed Convection Boundary Layer Flow in a Viscoelastic Fluid with Internal Heat Generation	52